

NOTE:
DISTRIBUTION SHALL BE AS
INDICATED AND SHALL BE IN
ACCORDANCE WITH I.E.S.
DEFINITIONS.

LUMINAIRE REQUIREMENTS

- HOUSING, DIE CAST ALUMINUM OR EXTRUDED OR FORMED ALUMINUM, WITH SEALED AND WELDED SEAMS.
- 2. REFLECTOR FORMED ANODIZED ALUMINUM.
- 3. LENS TEMPERED, IMPACT RESISTANT CLEAR GLASS.
- 4. LENS DOOR HINGED ALUMINUM WITH GASKET, CAPTIVE SCREW OR LATCHES.
- 5. INTEGRAL MULTI-TAP BALLAST.
- 6. CONCEALED MOUNTING HARDWARE (ALL HARDWARE CORROSION RESISTANT).
- 7. PORCELAIN SOCKET WITH VIBRATION-PROOF LAMP GRIP SHELL.
- 8. FINISH DARK BRONZE, BAKED ENAMEL, OR POLYESTER POWDER FINISH, <u>EXCEPT AS INDICATED.</u>
- 9. SLIPFITTER 60mm TO 75mm O.D. OR MOUNTING ARM.
- 10. LAMP 70 TO 1000 WATT, HIGH PRESSURE SODIUM, WATTAGE AS INDICATED.
- 11. LAMP STABILIZER, 1000 WATT SIZE ONLY.
- 12. UL LISTED SUITABLE FOR OUTDOOR WET LOCATION.
- 13. "HOUSE SIDE OR REAR SPILL" LIGHT SHALL BE LIMITED TO 20%, WHEN INDICATED.
- 14. PHOTOCELL WHEN INDICATED.

MAX. E.P.A. 0.2787 SQ. M.

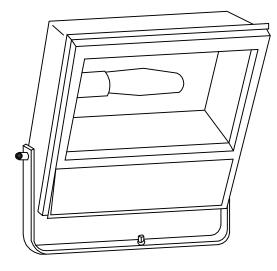
ROADWAY AND AREA LIGHT

SKETCH DATE

NOVEMBER 1995

STYLE

XL-1



NOTE:
NEMA BEAM SPREAD
CONFIGURATION SHALL BE
AS INDICATED AND SHALL
BE IN ACCORDANCE WITH
I.E.S. DEFINITIONS.

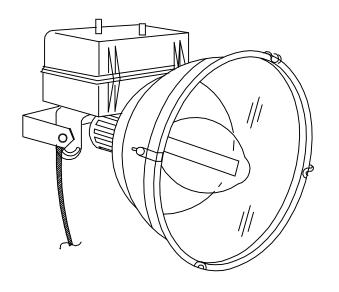
LUMINAIRE REQUIREMENTS

- 1. HOUSING DIE CAST ALUMINUM OR FORMED AND SEAM WELDED ALUMINUM, WITH BAKED ENAMEL OR POLYESTER POWDER FINISH.
- 2. REFLECTOR ANODIZED ALUMINUM.
- 3. DOOR HINGED ALUMINUM, WITH GASKET AND CAPTIVE SCREWS OR CAM LATCH FASTENERS.
- 4. INTEGRAL MULTI-TAP BALLAST.
- 5. STAINLESS STEEL OR NONCORROSIVE HARDWARE.
- 6. PORCELAIN SOCKET WITH VIBRATION-PROOF LAMP GRIP SHELL.
- 7. SLIPFITTER FOR 60mm TENON OR TRUNNION MOUNTING AS INDICATED.
- 8. PHOTOCELL WHEN INDICATED.
- 9. LAMP 70 TO 1000 WATT TYPE AND WATTAGE AS INDICATED.
- 10. PROVIDE 3/C #16 WEATHERPROOF CORD, MIN. 610mm LONG (TRUNNION MT. ONLY).
- 11. LAMP STABILIZER, 1000 WATT SIZE ONLY.
- 12. LENS TEMPERED, IMPACT RESISTANT, CLEAR GLASS.
- 13. UL LISTED SUITABLE FOR OUTDOOR WET LOCATIONS.
- 14. HOUSING COLOR SHALL BE DARK BRONZE UNLESS INDICATED OTHERWISE.

MIN. E.P.A. 0.195 SQ. M. - MAX. E.P.A. 0.51 SQ. M.

FLOODLIGHT

SKETCH DATE NOVEMBER 1995 STYLE XL-2

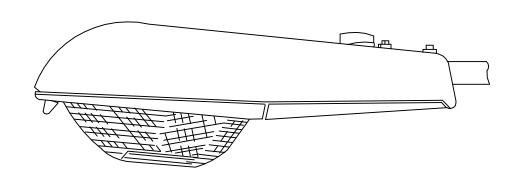


- 8. LAMP STABILIZER, 1000 WATT AND 1500 WATT SIZE ONLY.
- 9. GALVANIZED STEEL TRUNNION.
- 10. ALL HARDWARE, STAINLESS STEEL OR NONCORROSIVE.
- 11. PROVIDE 3/C #14 "SO" CORD, LENGTH AS REQUIRED.
- 12. PORCELAIN SOCKET, WITH VIBRATION-PROOF LAMP GRIP SHELL.
- 13. AIMING DEVICE.
- 14. UL LISTED SUITABLE FOR OUTDOOR WET LOCATIONS.

MAX. E.P.A. 0.26 SQ. M.	NEMA BEAM TYPE & EFFICIENCY				
BEAM EFFICIENCY	TYPE 1 NEMA 2	TYPE 2 NEMA 3	TYPE 3 NEMA 4	TYPE 4 NEMA 5	TYPE 5 NEMA 6
400 WATT HIGH PRESSURE SODIUM	30%	34%	50%	67%	70%
1000 WATT HIGH PRESSURE SODIUM			40%	50%	55%
400 WATT METAL HALIDE	35%	40%	60%	65%	65%
1000 WATT METAL HALIDE	34%	40%	60%	65%	65%
1500 WATT METAL HALIDE	34%	40%	60%	65%	65%

- 1. CAST ALUMINUM BALLAST HOUSING.
- 2. ALUMINUM OUTER SHROUD.
- 3. SPUN ANODIZED ALUMINUM REFLECTOR.
- 4. TEMPERED, HEAT-RESISTANT CLEAR GLASS LENS.
- 5. HINGED STAINLESS STEEL DOOR WITH GASKET AND LATCHES.
- 6. 400 WATT, 1000 WATT AND 1500 WATT HIGH PRESSURE SODIUM OR METAL HALIDE, AS INDICATED.
- 7. INTEGRAL BALLAST, TYPE AND VOLTAGE AS INDICATED.

FLOODLIGHT AND SPORTS LIGHT



- 1. REFRACTOR PRISMATIC GLASS, EXCEPT AS INDICATED.
- 2. REFLECTOR ANODIZED ALUMINUM.
- 3. HOUSING DIE CAST ALUMINUM, WITH BAKED ENAMEL GREY FINISH.
- 4. HINGED ALUMINUM DOOR WITH GASKET AND LATCH.
- 5. INTEGRAL BALLAST TYPE AND VOLTAGE AS SPECIFIED.
- 6. ALL HARDWARE, STAINLESS STEEL, OR NONCORROSIVE.
- 7. ADJUSTABLE PORCELAIN SOCKET.
- 8. 30mm TO 50mm, SLIPFITTER 2 OR 4 BOLT.
- 9. PHOTOCELL AND RECEPTACLE, <u>UNLESS OTHERWISE INDICATED.</u>
- 10. LAMP 70 WATT TO 400 WATT HIGH PRESSURE SODIUM WATTAGE AS INDICATED.
- 11. LEVEL INDICATOR.

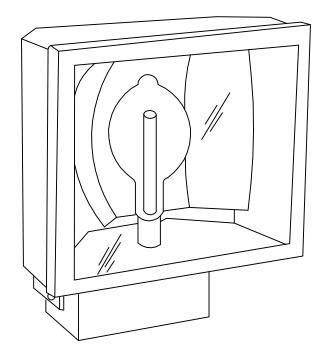
SKETCH DATE

12. UL LISTED - SUITABLE FOR OUTDOOR WET LOCATIONS.

NOTE: I.E.S. TYPE DISTRIBUTION AS INDICATED.

MAX. E.P.A. 0.12 SQ. M.

ROADWAY	' ANE) AREA	LIGHT	
NOVEMBER	1995	STYLE		XI-4



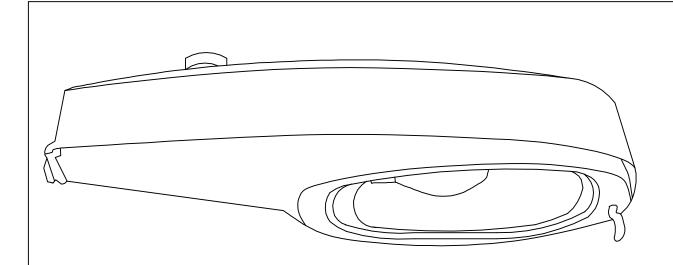
- 1. HOUSING FORMED AND SEAM WELDED ALUMINUM, WITH POLYESTER POWDER FINISH. (DARK BRONZE)
- 2. REFLECTOR POLISHED, SEGMENTED ANODIZED ALUMINUM.
- 3. LENS TEMPERED, THERMAL AND SHOCK-RESISTANT GLASS.
- 4. DOOR FASTENERS STAINLESS STEEL.
- 5. INTEGRAL BALLAST 1000 WATT HIGH PRESSURE SODIUM OR 1000 WATT METAL HALIDE AS INDICATED.
- 6. HINGED, GASKETED DOOR, CLOSED CELL, SILICON FOAM.
- 7. PORCELAIN SOCKET, WITH VIBRATION-PROOF LAMP GRIP SHELL.
- 8. PROVIDE 3/C #16 WEATHERPROOF CORD, MIN. 610mm LONG.
- 9. GALVANIZED YOKE.
- 10. UL LISTED SUITABLE FOR OUTDOOR WET LOCATIONS.

NOTE: LAMP, BALLAST, AND BEAM PATTERN SHALL BE AS INDICATED.

MAX. E.P.A. 0.51 SQ. M.

SPORTS	AND	AREA	LIGHT

SKETCH DATE NOVEMBER 1995 STYLE $X \sqsubseteq -5$



- 1. HOUSING CAST ALUMINUM, WITH BAKED ENAMEL OR POLYESTER POWDER FINISH.
- 2. LENS FLAT TEMPERED GLASS.
- 3. REFLECTOR ANODIZED ALUMINUM.
- 4. HINGED ALUMINUM DOOR WITH GASKET AND SPRING LATCH.
- 5. INTEGRAL BALLAST TYPE AND VOLTAGE AS INDICATED.
- 6. ALL HARDWARE STAINLESS STEEL OR NONCORROSIVE.
- 7. ADJUSTABLE PORCELAIN SOCKET.
- 8. 30mm TO 50mm SLIPFITTER 2 OR 4 BOLT TYPE.
- 9. PHOTOCELL AND RECEPTACLE, UNLESS OTHERWISE INDICATED.
- 10. LAMP 70 TO 400 WATT HIGH PRESSURE SODIUM WATTAGE AS INDICATED.
- 11. LEVEL INDICATOR.
- 12. UL LISTED SUITABLE FOR OUTDOOR WET LOCATIONS.
- 13. HOUSING SHALL BE MUNSELL GREY, UNLESS OTHERWISE SPECIFIED.

NOTE: I.E.S. TYPE DISTRIBUTION AS INDICATED.

MAX. E.P.A. 0.12 SQ. M.

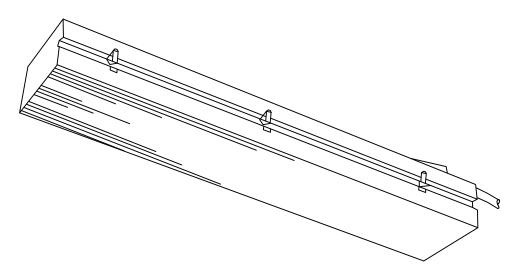
AREA AND STREET LIGHTING CUTOFF LUMINAIRE

SKETCH DATE

NOVEMBER 1995

STYLE

XL-6

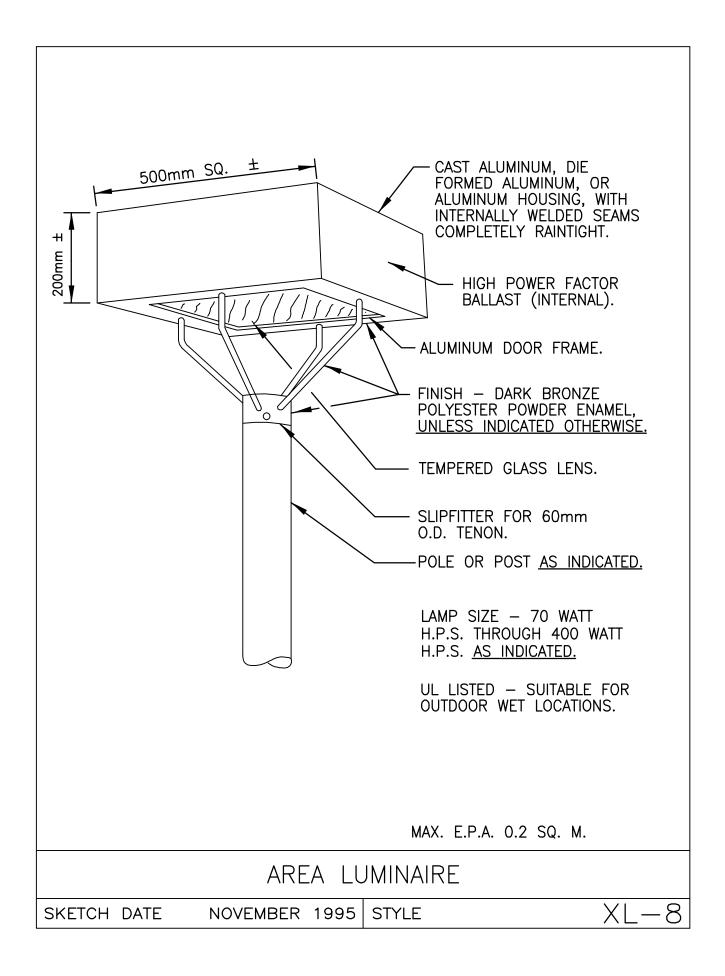


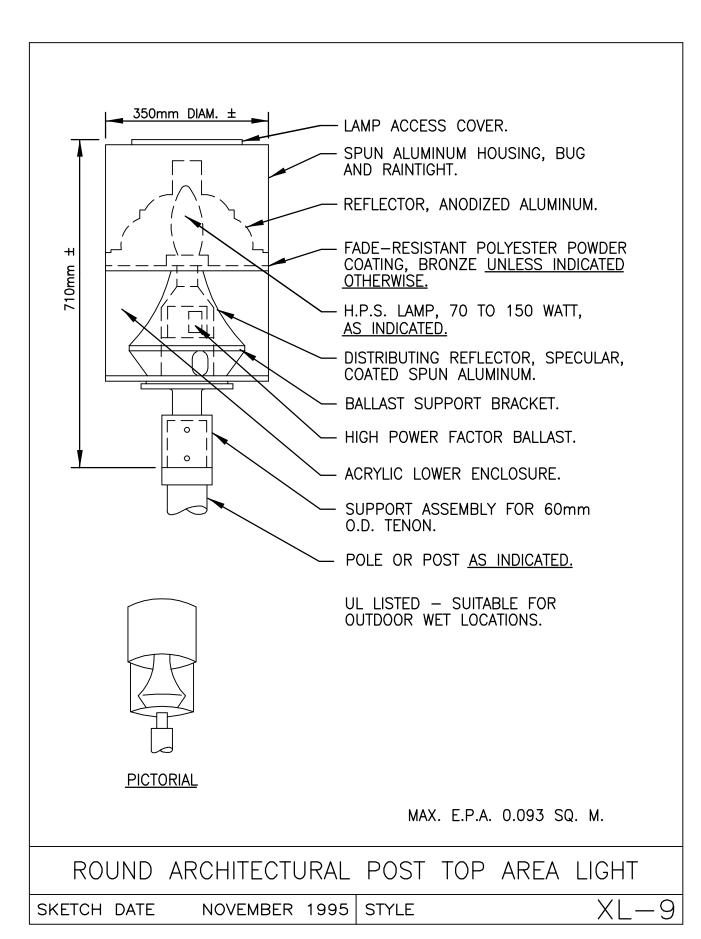
- 1. HOUSING, ALUMINUM OR STEEL EXTRUDED OR FORMED WITH SEALED AND WELDED SEAMS.
- 2. REFRACTOR HINGED. ONE PIECE ULTRA VIOLET RESISTANT ACRYLIC MINIMUM 3.2mm THICK.
- 3. REFLECTOR ANODIZED ALUMINUM.
- 4. LATCHES STAINLESS STEEL, QUICK RELEASE TYPE.
- 5. GASKETING CONTINUOUS, HEAT RESISTANT.
- 6. BALLAST HIGH POWER FACTOR.
- 7. FINISH BAKED ACRYLIC ENAMEL, POLYESTER POWDER FINISH.
- 8. HARDWARE CORROSION RESISTANT.
- 9. LAMP 35, 55, 90, 135, OR 180 WATT AS INDICATED.
- 10. SLIPFITTER FOR 30mm TO 50mm ARM.
- 11. PHOTOCELL WHEN INDICATED.
- 12. UL LISTED SUITABLE FOR OUTDOOR WET LOCATIONS.
- 13. LAMP STABILIZER.
- 14. HOUSING SHALL BE MUNSELL GREY UNLESS OTHERWISE INDICATED.

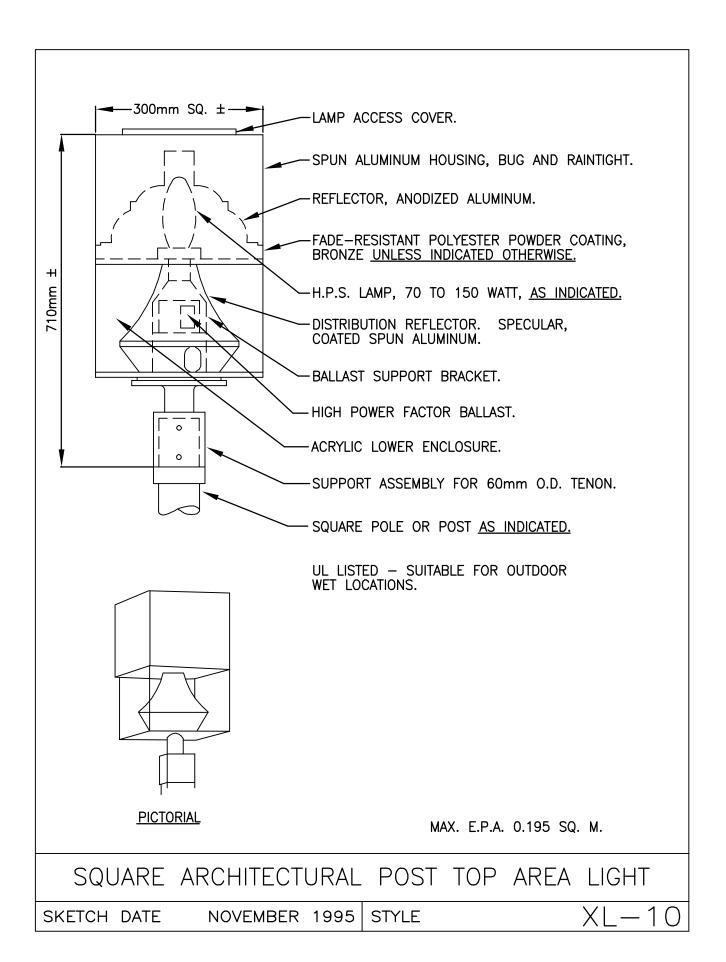
MAX. E.P.A. 0.223 SQ. M.

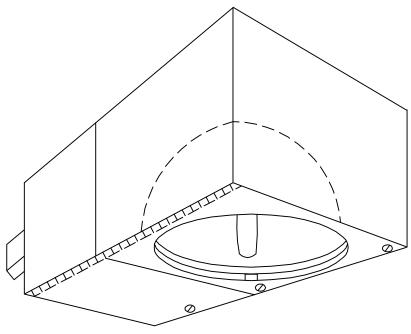
LOW PRESSURE SODIUM AREA LIGHTING FIXTURE

SKETCH DATE NOVEMBER 1995 STYLE $X \sqsubseteq -7$









NOTE: TYPE A -SQUARE TYPE B -ROUND

LUMINAIRE REQUIREMENTS

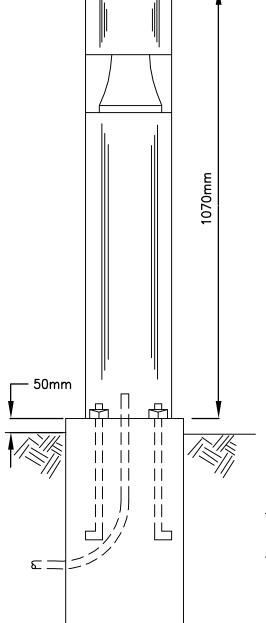
- 1. HOUSING CAST, OR FORMED AND SEALED ALUMINUM.
- FINISH BAKED ACRYLIC OR VINYL CLAD WITH SEALER OR POLYESTER POWDER. COLOR — DARK BRONZE <u>OR AS INDICATED.</u>
- 3. REFLECTOR ALZAK ALUMINUM.
- 4. LENS FLAT, HEAT AND SHOCK-RESISTANT GLASS.
- 5. HINGED AND GASKETED ALUMINUM DOOR FRAME.
- 6. INTEGRAL BALLAST WITH 70 TO 1000 WATT HIGH PRESSURE SODIUM AS INDICATED.
- 7. UL LISTED, SUITABLE FOR OUTDOOR WET LOCATIONS.
- 8. ADJUSTABLE PORCELAIN SOCKET.
- 9. STAINLESS STEEL 1/4-TURN OR QUICK-RELEASE LATCHES.
- 10. SLIPFITTER FOR 50mm O.D. PIPE, OR EXTRUDED MAST ARM, AS INDICATED.
- 11. MOUNTING ARM AND BOLTS.
- 12. PHOTOCELL AND RECEPTACLE, UNLESS OTHERWISE INDICATED.

MAX. E.P.A. - 0.567 SQ. M.

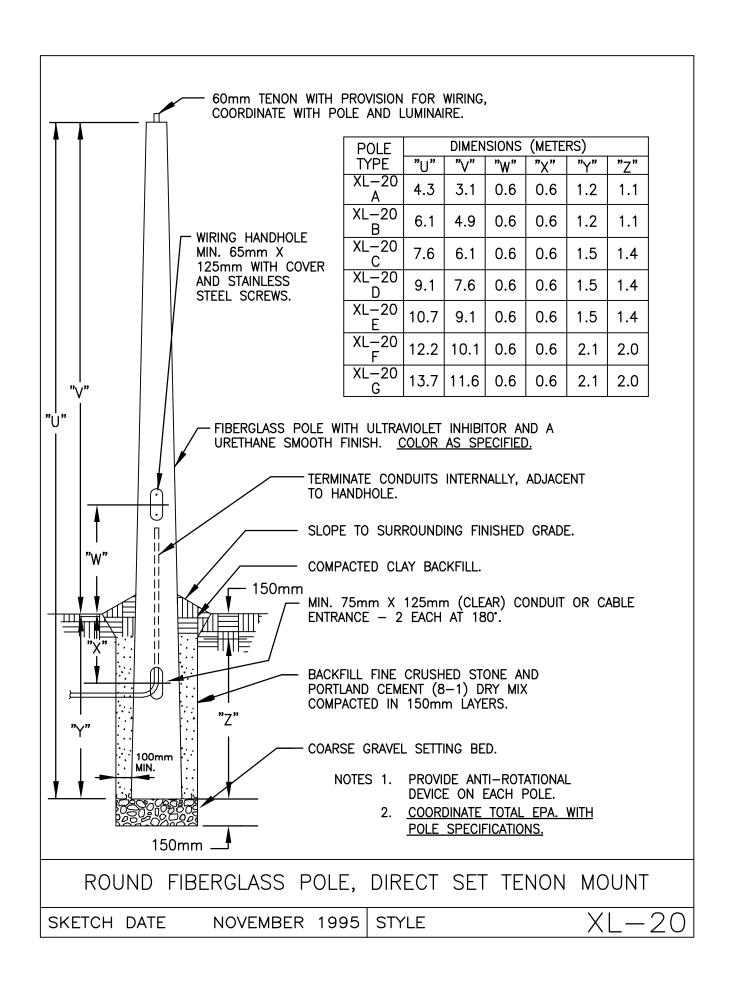
AREA LIGHT - (VERTICAL LAMP)

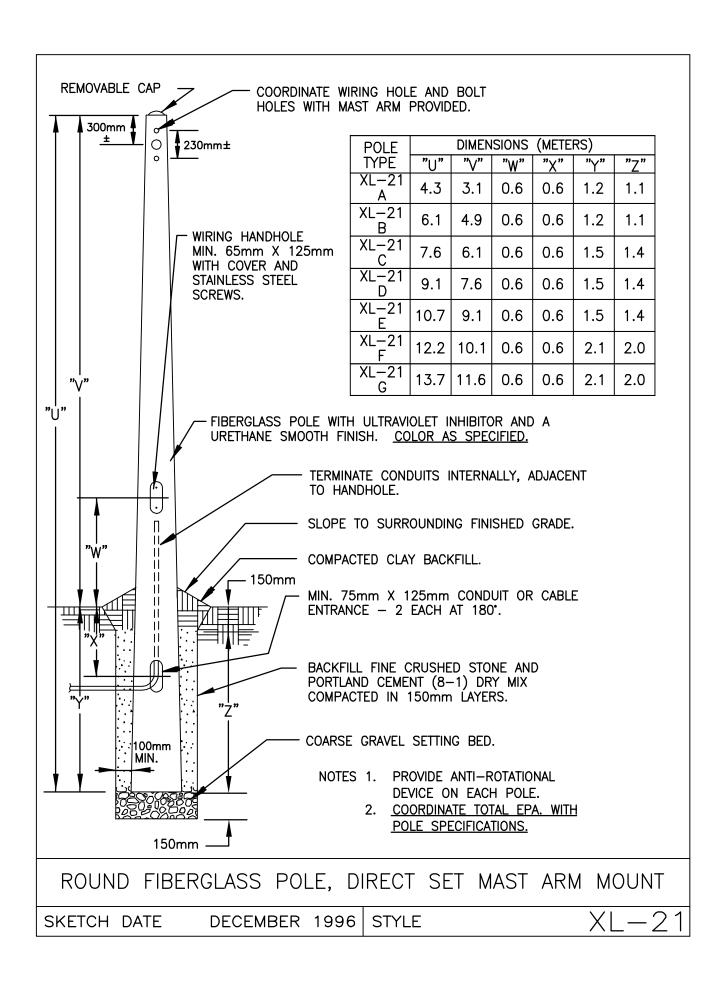
SKETCH DATE NOVEMBER 1995 STYLE $X \perp -11$

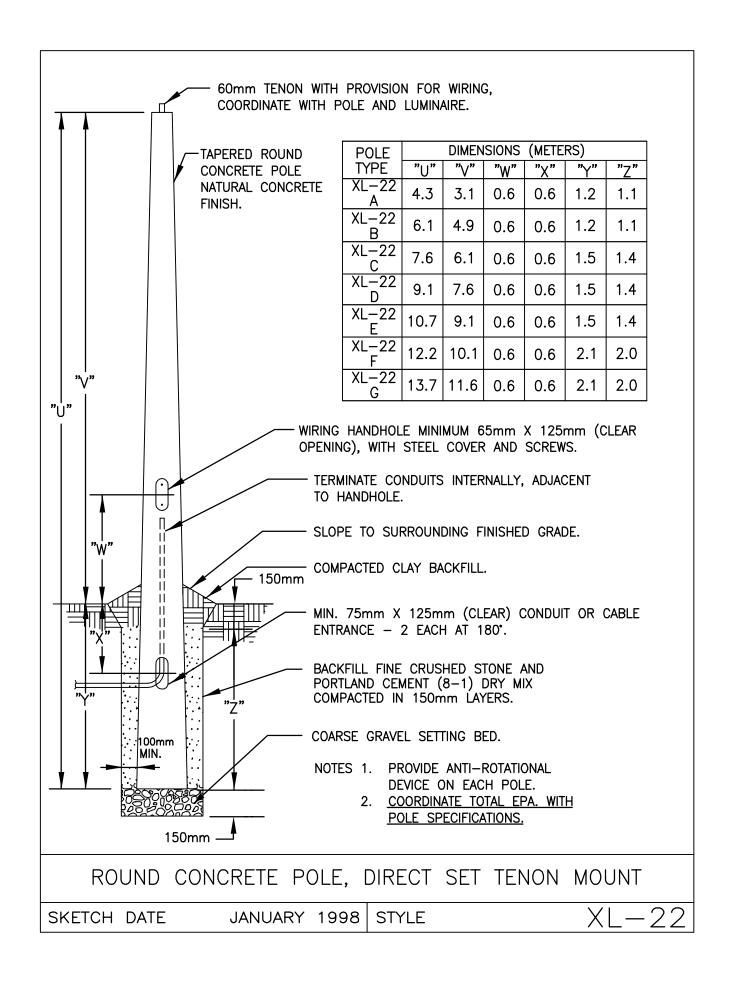


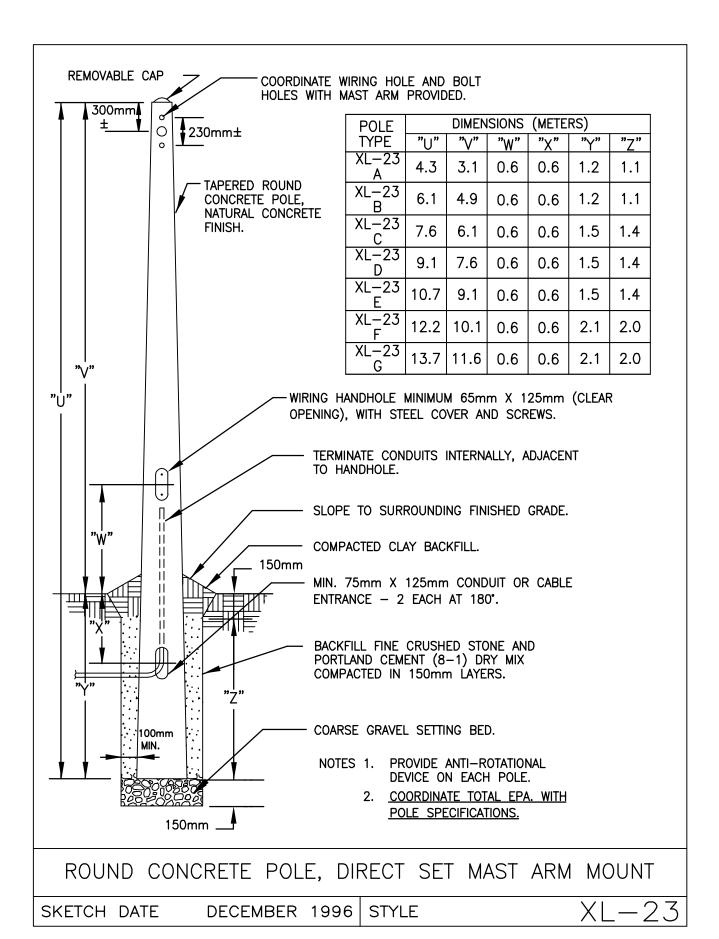


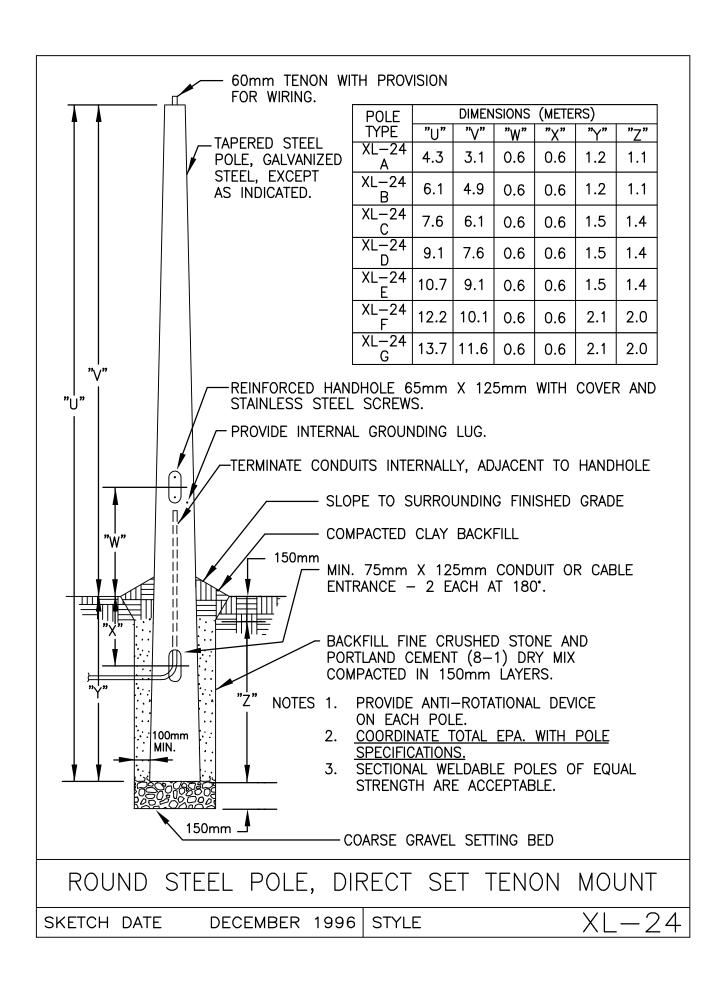
- 1. COLUMN, EXTRUDED ALUMINUM (MINIMUM 3.8mm THICK WALL) WITH MEDIUM BRONZE ANODIZED FINISH.
- 2. COMPLETELY GASKETED WEATHERPROOF TOP LAMP ACCESSORY PLATE.
- 3. EXTRUDED CLEAR ACRYLIC MINIMUM 4.8mm THICK WALL ENCLOSURE.
- 4. SEGMENTED SPECULAR CLEAR ALZAK REFLECTOR.
- 5. CLEAR ALZAK REFLECTING CONE.
- 6. HIGH POWER FACTOR BALLAST.
- 7. UL LISTED FOR WET LOCATIONS.
- 8. 70 WATT HIGH PRESSURE SODIUM LAMP.
- 9. ANCHOR BOLT KIT PER MANUFACTURER, BUT NOT LESS THAN FOUR Ø13mm X 230mm LONG ANCHOR BOLTS WITH 40mm "L" BEND SET IN Ø300mm X 610mm DEEP CONCRETE BASE. TOP OF BASE 50mm ABOVE GRADE, AND SHALL HAVE 15mm CHAMFER ALL AROUND.
- 10. PROVIDE INTERNAL GREEN GROUNDING SCREW.
- 11. ALL EXPOSED SCREWS SHALL BE STAINLESS STEEL.

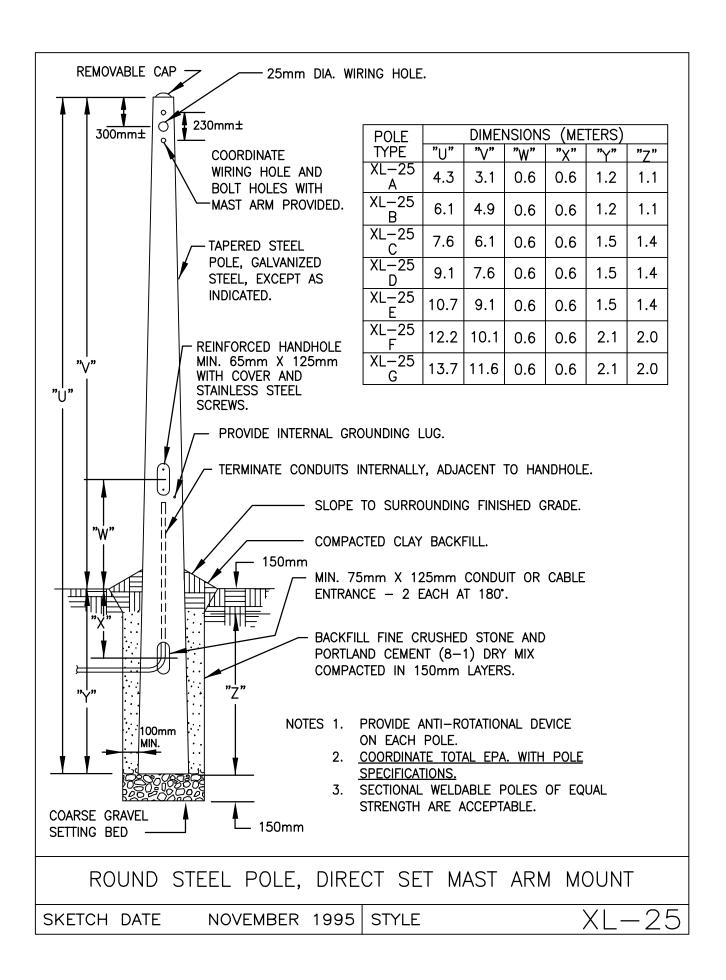


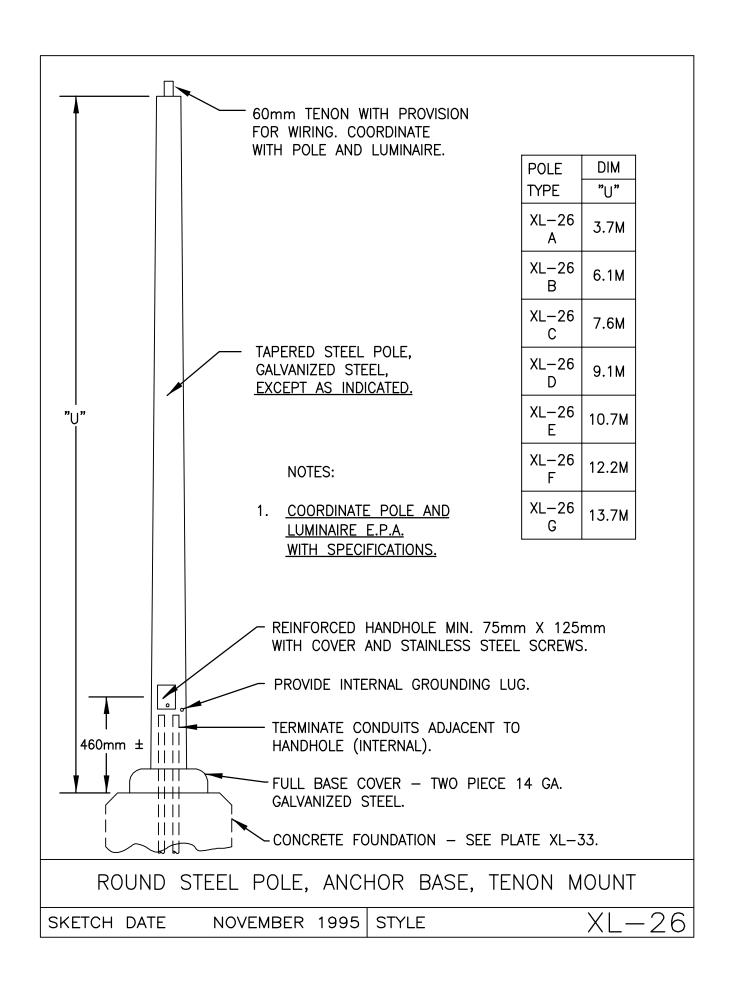


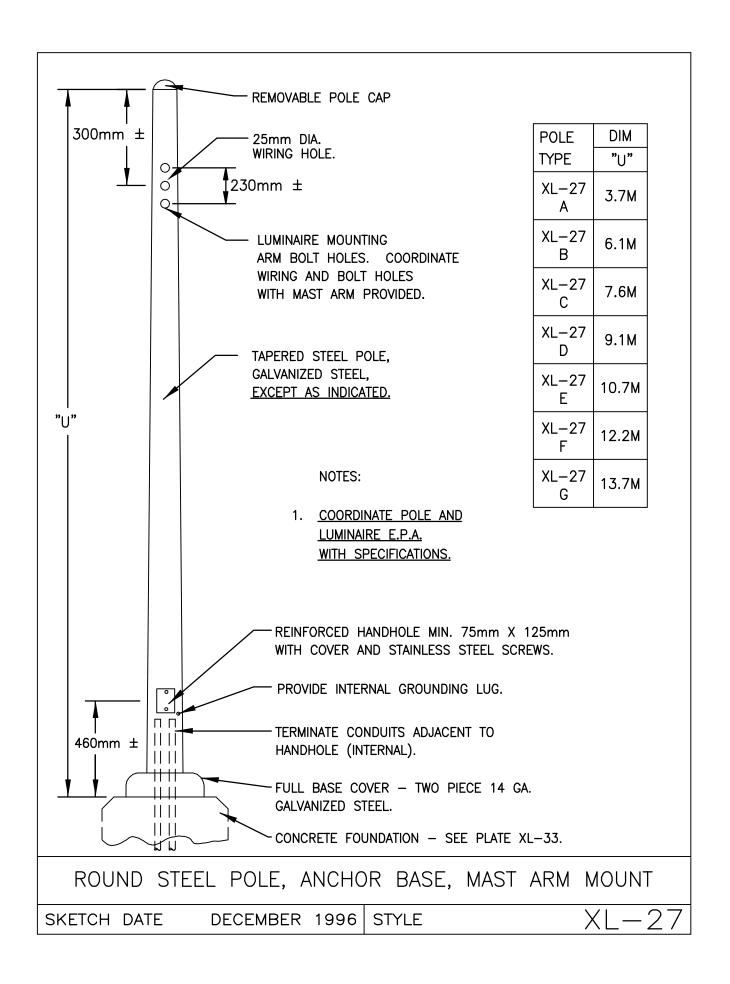


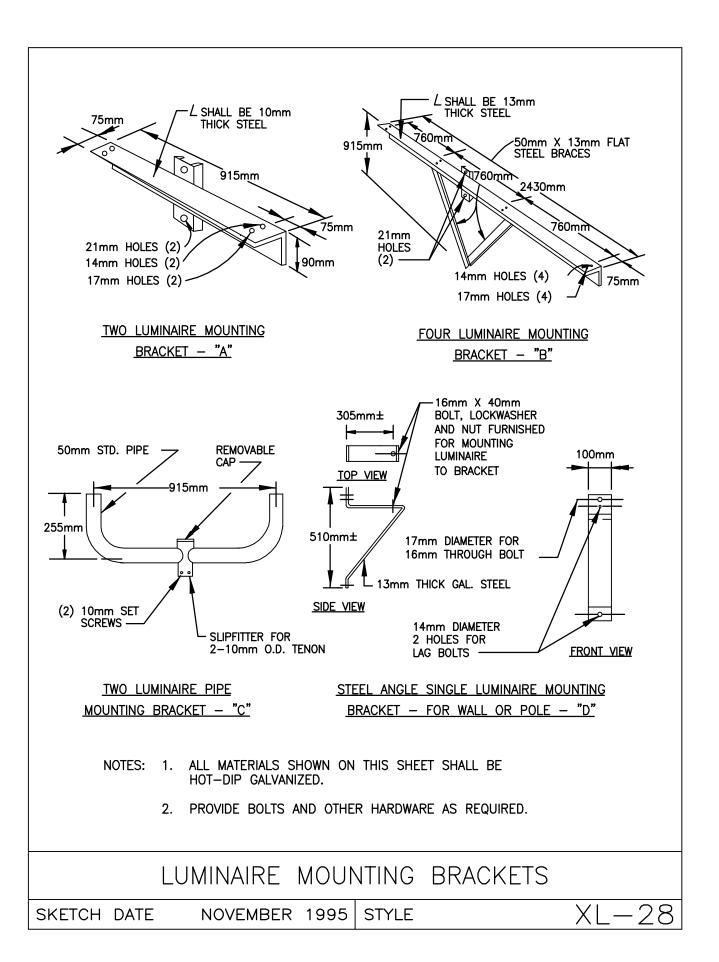


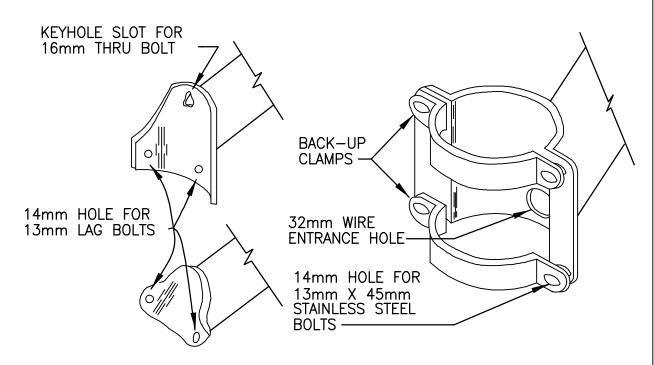






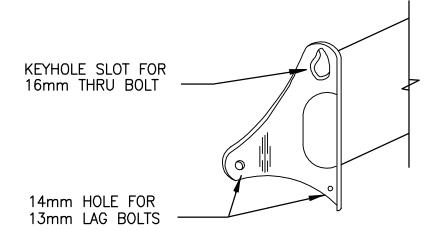






MOUNTING PLATE FOR TRUSS MEMBER TAPERED ELLIPTICAL ARM "A"

MOUNTING PLATE FOR SINGLE MEMBER TAPERED ELLIPTICAL ARM "B"



NOTE:

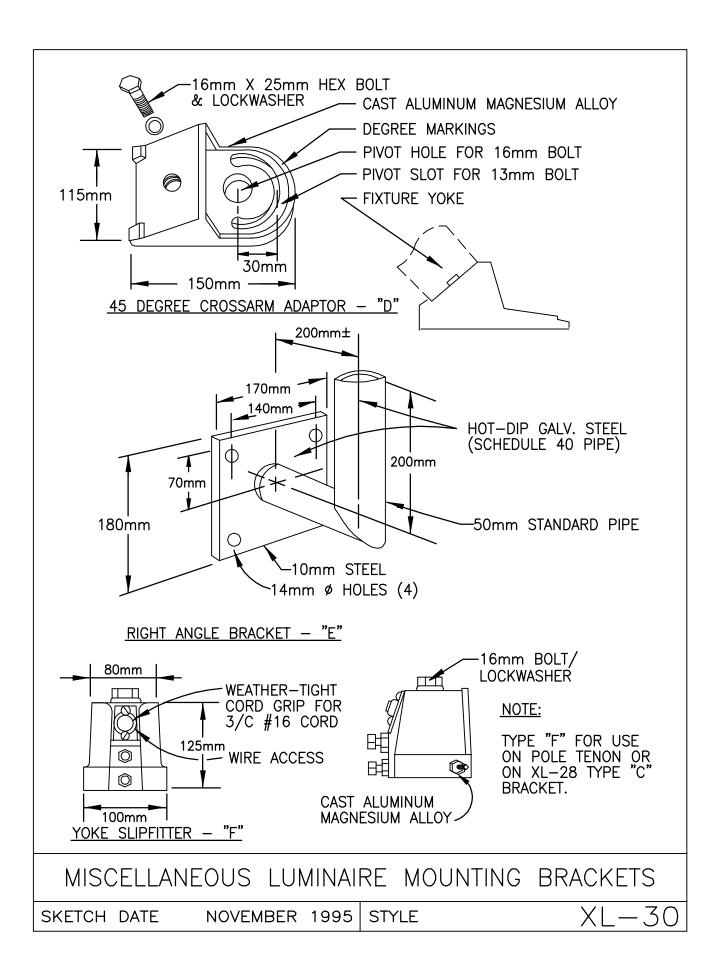
TYPES "A" & "C" ARE FOR WOOD POLES, TYPE "B" IS FOR CONCRETE OR STEEL POLES.

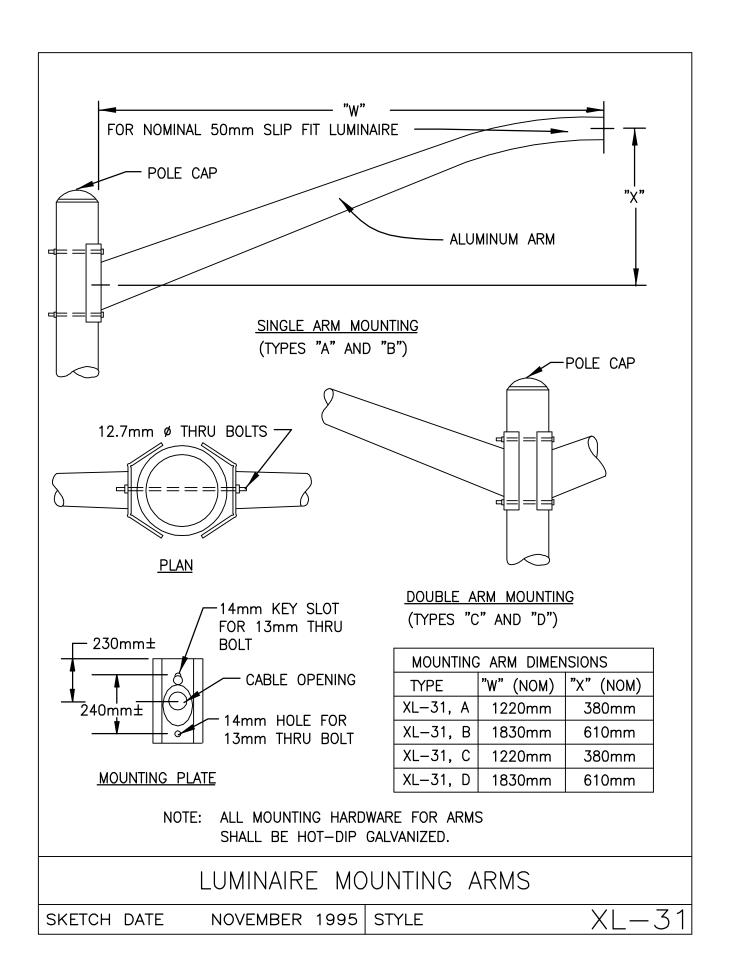
MOUNTING PLATE FOR SINGLE MEMBER TAPERED ELLIPTICAL ARM

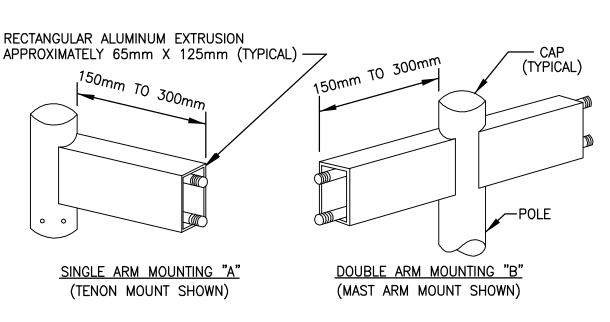
VARIOUS LUMINAIRE MOUNTING ARM TYPES

SKETCH DATE

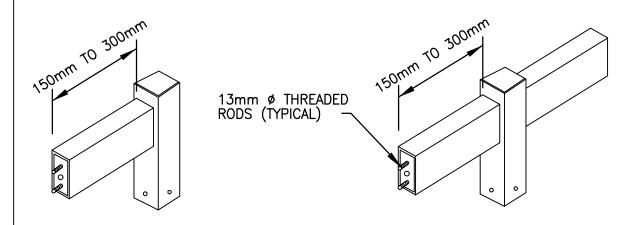
NOVEMBER 1995 | STYLE







ROUND POLE MOUNTING



SINGLE ARM MOUNTING "C" (TENON MOUNT SHOWN)

DOUBLE ARM MOUNTING "D" (TENON MOUNT SHOWN)

SQUARE MOUNTING ARMS

NOTES: 1. ALL FASTENERS SHALL BE CONCEALED.

2. ALL ARMS ARE AVAILABLE IN TENON OR MAST ARM MOUNT, SPECIFY TYPE DESIRED.

LUMINAIRE MOUNTING ARMS

SKETCH DATE NOVEMBER 1995 STYLE XL-32

